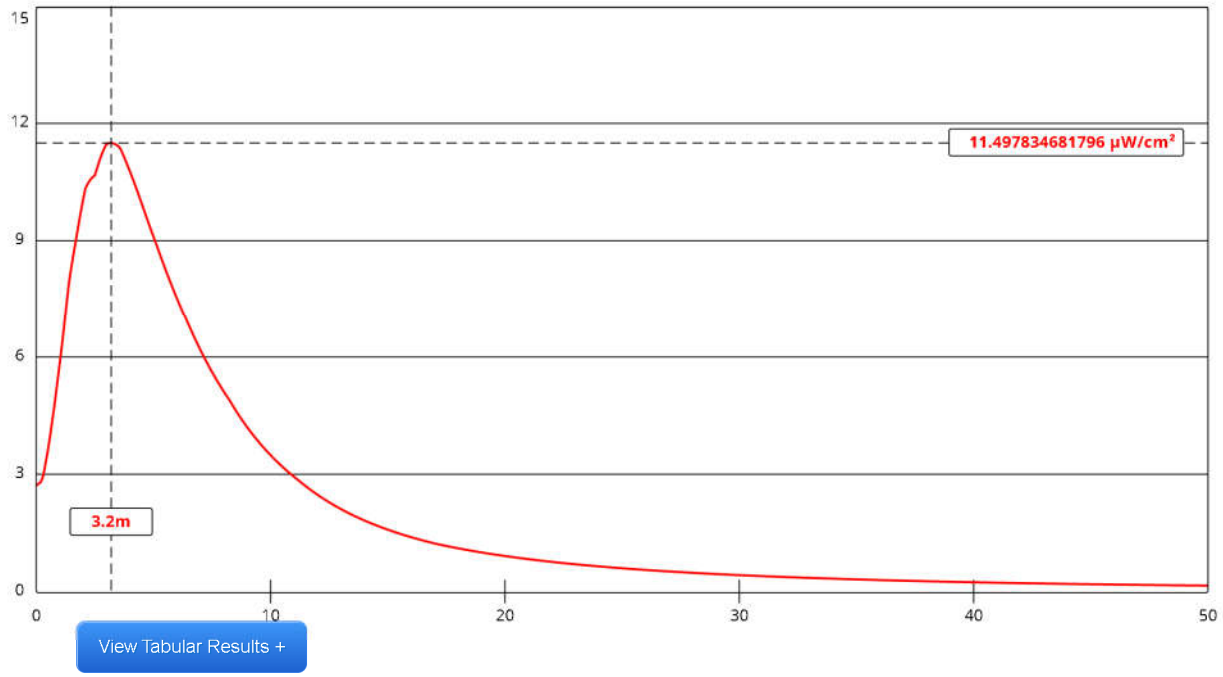
Power Density VS Distance
Proposed Engineering STA
K203CQ, Tooele, UT FAC# 77061
May 18, 2023



Channel Selection	Channel 203 (88.5 MHz)		
Antenna Type +	EPA Type 2: Opposed V Dipole		
Height (m)	5	Distance (m)	50
ERP-H (W)	6	ERP-V (W)	5
Num of Elements	1	λ	1
Num of Points	500	Apply	

USING A BEXT TFC2K, EPA TYPE 2, “OPPOSED V DIPOLE” ANTENNA , MOUNTED 5M ABOVE THE ROOF OF THE BUILDING, FM MODEL PREDICTS A MAXIMUM POWER DENSITY OF 11.5 MICROWATTS PER SQUARE CENTIMETER AT A DISTANCE OF 3.2 METERS FROM THE POLE ON THE ROOF TOP. THIS REPRESENTS 5.8% OF THE 1000 MICROWATS PER SQUARE CM LIMIT FOR CONTROLLED POPULATION EXPOSURE; HENCE, THIS APPLICATION IS COMPLIANT WITH THE GUIDELINES FOR HUMAN EXPOSURE AS SPECIFIED IN OET BULLETIN NO. 65, EDITION 97-01, AUGUST 1997. PLEASE REFER TO THE ATTACHED POWER DENSITY VS DISTANCE GRAPH. ACCESS TO THE ROOF IS RESTRICTED TO THE GENERAL PUBLIC.